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alerts (SDIs) affected
NEWS 11 DEC 17 SOLIDSTATE reloaded; updating to resume; current-awareness
alerts (SDIs) affected
NEWS 12 DEC 17 CERAB reloaded; updating to resume; current-awareness
alerts (SDIs) affected
NEWS 13 DEC 17 THREE NEW FIELDS ADDED TO IFIPAT/IFIUDB/IFICDB
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NEWS 15 DEC 30 CAPLUS - PATENT COVERAGE EXPANDED
NEWS 16 JAN 03 No connect-hour charges in EPFULL during January and
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NEWS EXPRESS OCTOBER 29 CURRENT WINDOWS VERSION IS V7.01A, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
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FULL ESTIMATED COST

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=> s macromer
L1 3594 MACROMER

=> s l1 and (polyalkylene glycol)
L2 114 L1 AND (POLYALKYLENE GLYCOL)

=> s l2 and (glycosaminoglycan# or cellulose# or dextran# or polyvinylpyrrolidone or
(hyaluronic acid) or (carboxymethyl cellulose) or (dextran sulfate))
<-----User Break----->

SEARCH ENDED BY USER

=> s l2 and (glycosaminoglycan# or cellulose# or dextran# or polyvinylpyrrolidone
or (hyaluronic acid) or (carboxymethyl cellulose) or (dextran sulfate))
L3 72 L2 AND (GLYCOSAMINOGLYCAN# OR CELLULOSE# OR DEXTRAN# OR POLYVIN
YLPYRROLIDONE OR (HYALURONIC ACID) OR (CARBOXYMETHYL CELLULOSE)
OR (DEXTRAN SULFATE))

=> s l3 and (biodegradable region#)
L4 5 L3 AND (BIODEGRADABLE REGION#)

=> d l4 1-4 ibib abs

L4 ANSWER 1 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2004:120057 USPATFULL

TITLE: Composition for the carrying and delivery of bone
growth inducing material and methods for producing and
applying the composition

INVENTOR(S): Lin, Steve T., Gainesville, FL, UNITED STATES
Avila, Luis Z., Arlington, MA, UNITED STATES
Coury, Arthur J., Boston, MA, UNITED STATES
Kramer, Hidegard M., Westport, CT, UNITED STATES
Roth, Laurence A., Windham, NH, UNITED STATES
Roberts, Rebecca, High Springs, FL, UNITED STATES
Sly, Michael Kurt, Gainesville, FL, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004091462	A1	20040513
APPLICATION INFO.:	US 2003-645744	A1	20030820 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-404895P	20020820 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	GREENBERG TRAURIG, LLP, 885 3RD AVENUE, NEW YORK, NY, 10022	
NUMBER OF CLAIMS:	111	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	6 Drawing Page(s)	
LINE COUNT:	1674	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Various embodiments of the present invention relate to compositions for delivering bone growth inducing material (e.g., to viable bone and/or other skeletal tissues to repair defects and the like). More particularly, various embodiments of the present invention relate to delivery mechanisms for an osteotherapeutic material (e.g., osteoinductive and/or osteoconductive materials), including (but not limited to) demineralized bone matrix ("DBM") and cortical-cancellous bone chips ("CCC"). Certain compositions according to various embodiments of the present invention may comprise mixtures of a physiologically acceptable biodegradable carrier, an osteoinductive material, and/or an osteoconductive material (e.g., DBM and CCC). The compositions may thus be applied (for example, to defective bone tissue and/or other viable tissue) to induce formation of new bone. Other embodiments of the present invention relate to the preparation of compositions and methods of using such compositions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 2 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2003:158898 USPATFULL
 TITLE: Adhesion barriers applicable by minimally invasive surgery and methods of use thereof
 INVENTOR(S): Sawhney, Amarpreet S., Lexington, MA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003108511	A1	20030612
APPLICATION INFO.:	US 2002-319308	A1	20021213 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2001-10715, filed on 9 Nov 2001, PENDING Continuation-in-part of Ser. No. US 1999-454900, filed on 3 Dec 1999, PENDING Continuation-in-part of Ser. No. US 2000-513491, filed on 21 Apr 2000, PENDING Division of Ser. No. US 1998-134198, filed on 14 Aug 1998, GRANTED, Pat. No. US 6179862		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-110849P	19981204 (60)
	US 2002-359236P	20020220 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	PATTERSON, THUENTE, SKAAR & CHRISTENSEN, P.A., 4800 IDS CENTER, 80 SOUTH 8TH STREET, MINNEAPOLIS, MN, 55402-2100	
NUMBER OF CLAIMS:	49	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	12 Drawing Page(s)	
LINE COUNT:	2941	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Biocompatible crosslinked polymers, and methods for their preparation

and use with minimally invasive surgery applicators are disclosed. The disclosure includes compositions and methods for in situ formation of hydrogels using minimally invasive surgical techniques.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 3 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2003:16986 USPATFULL
TITLE: Biocompatible crosslinked polymers
INVENTOR(S): Pathak, Chandrashekhar P., Austin, TX, UNITED STATES
Sawhney, Amarpreet S., Lexington, MA, UNITED STATES
Edelman, Peter G., Franklin, MA, UNITED STATES
PATENT ASSIGNEE(S): Incept LLC. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003012734	A1	20030116
APPLICATION INFO.:	US 2001-10715	A1	20011109 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1999-147897, filed on 30 Aug 1999, PENDING A 371 of International Ser. No. WO 1997-US16897, filed on 22 Sep 1997, UNKNOWN Continuation-in-part of Ser. No. US 1999-454900, filed on 3 Dec 1999, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-26526P	19960923 (60)
	US 1997-39904P	19970304 (60)
	US 1997-40417P	19970313 (60)
	US 1998-110849P	19981204 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	PATTERSON, THUENTE, SKAAR & CHRISTENSEN, P.A., 4800 IDS CENTER, 80 SOUTH 8TH STREET, MINNEAPOLIS, MN, 55402-2100	
NUMBER OF CLAIMS:	35	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	10 Drawing Page(s)	
LINE COUNT:	2234	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Biocompatible crosslinked polymers, and methods for their preparation and use, are disclosed in which the biocompatible crosslinked polymers are formed from water soluble precursors having electrophilic and nucleophilic functional groups capable of reacting and crosslinking in situ. Methods for making the resulting biocompatible crosslinked polymers biodegradable or not are provided, as are methods for controlling the rate of degradation. The crosslinking reactions may be carried out in situ on organs or tissues or outside the body. Applications for such biocompatible crosslinked polymers and their precursors include controlled delivery of drugs, prevention of post-operative adhesions, coating of medical devices such as vascular grafts, wound dressings and surgical sealants. Visualization agents may be included with the crosslinked polymers.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 4 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2001:10557 USPATFULL
TITLE: Polymerizable biodegradable polymers including carbonate or dioxanone linkages
INVENTOR(S): Sawhney, Amarpreet S., Bedford, MA, United States
Jarrett, Peter K., Sudbury, MA, United States
Corry, Arthur J., Boston, MA, United States
Rudowsky, Ronald S., Sudbury, MA, United States

PATENT ASSIGNEE(S): Powell, Michelle D., Tewksbury, MA, United States
 Avila, Luis Z., Arlington, MA, United States
 Ensore, David J., Sudbury, MA, United States
 Goodrich, Stephen D., Woburn, MA, United States
 Nason, William C., Westford, MA, United States
 Yao, Fei, North Andover, MA, United States
 Weaver, Douglas, Bedford, MA, United States
 Barman, Shikha P., Bedford, MA, United States
 Focal, Inc, Lexington, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6177095	B1	20010123
APPLICATION INFO.:	US 2000-479520		20000107 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1997-944739, filed on 6 Oct 1997, now patented, Pat. No. US 6083524 Continuation-in-part of Ser. No. US 1996-710689, filed on 23 Sep 1996, now patented, Pat. No. US 5900245		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Azpuru, Carlos A.		
LEGAL REPRESENTATIVE:	Arnall, Golden & Gregory, LLP		
NUMBER OF CLAIMS:	23		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	3 Drawing Figure(s); 2 Drawing Page(s)		
LINE COUNT:	1296		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Water-soluble macromers including at least one hydrolysable linkage formed from carbonate or dioxanone groups, at least one water-soluble polymeric block, and at least one polymerizable group, and methods of preparation and use thereof are described. The macromers are preferably polymerized using free radical initiators under the influence of long wavelength ultraviolet light or visible light excitation. Biodegradation occurs at the linkages within the extension oligomers and results in fragments which are non-toxic and easily removed from the body. The macromers can be used to encapsulate cells, deliver prophylactic, therapeutic or diagnostic agents in a controlled manner, plug leaks in tissue, prevent adhesion formation after surgical procedures, temporarily protect or separate tissue surfaces, and adhere or seal tissues together.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

(FILE 'HOME' ENTERED AT 13:46:02 ON 09 JAN 2005)

FILE 'CAPLUS, USPATFULL, JPIO, MEDLINE, BIOSIS, EMBASE, SCISEARCH' ENTERED AT 13:51:23 ON 09 JAN 2005

L1 3594 S MACROMER
 L2 114 S L1 AND (POLYALKYLENE GLYCOL)
 L3 72 S L2 AND (GLYCOSAMINOGLYCAN# OR CELLULOSE# OR DEXTRAN# OR POLY
 L4 5 S L3 AND (BIODEGRADABLE REGION#)

=> d 14 5 ibibs abs

'IBIBS' IS NOT A VALID FORMAT FOR FILE 'USPATFULL'

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 NCLS, EXF, REP, REN, ARTU, EXNAM, LREP, CLMN, DRWN, AB,
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 its structure diagram
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 IBIB.EX ----- IBIB for original and latest publication
 IBIBG ----- IBIB plus PAGE.DRAW
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 IMAX.EX ----- IMAX for original and latest publication
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 EXF, ARTU, OS, CC, SX, ST, IT
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 ICM, ICS

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L4 ANSWER 5 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2000:83865 USPATFULL

TITLE: Polymerizable biodegradable polymers including carbonate or dioxanone linkages

INVENTOR(S): Sawhney, Amarpreet S., Bedford, MA, United States
Ensore, David J., Sudbury, MA, United States
Goodrich, Stephen D., Woburn, MA, United States
Nason, William C., Westford, MA, United States
Yao, Fei, North Andover, MA, United States
Weaver, Douglas, Bedford, MA, United States
Jarrett, Peter K., Sudbury, MA, United States
Coury, Arthur J., Boston, MA, United States
Rudowsky, Ronald S., Sudbury, MA, United States
Powell, Michelle D., Tewksbury, MA, United States
Avila, Luis Z., Arlington, MA, United States
Barman, Shikha P., Bedford, MA, United States
PATENT ASSIGNEE(S): Focal, Inc., Lexington, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6083524		20000704
APPLICATION INFO.:	US 1997-944739		19971006 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1996-710689, filed on 23 Sep 1996, now patented, Pat. No. US 5900245		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Azpuru, Carlos A.		
LEGAL REPRESENTATIVE:	Arnall Golden & Gregory, LLP		
NUMBER OF CLAIMS:	36		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	4 Drawing Figure(s); 2 Drawing Page(s)		
LINE COUNT:	1341		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 14 5 ibib abs

L4 ANSWER 5 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2000:83865 USPATFULL

TITLE: Polymerizable biodegradable polymers including carbonate or dioxanone linkages

INVENTOR(S): Sawhney, Amarpreet S., Bedford, MA, United States
Ensore, David J., Sudbury, MA, United States
Goodrich, Stephen D., Woburn, MA, United States
Nason, William C., Westford, MA, United States
Yao, Fei, North Andover, MA, United States
Weaver, Douglas, Bedford, MA, United States
Jarrett, Peter K., Sudbury, MA, United States
Coury, Arthur J., Boston, MA, United States
Rudowsky, Ronald S., Sudbury, MA, United States
Powell, Michelle D., Tewksbury, MA, United States
Avila, Luis Z., Arlington, MA, United States
Barman, Shikha P., Bedford, MA, United States
PATENT ASSIGNEE(S): Focal, Inc., Lexington, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6083524		20000704
APPLICATION INFO.:	US 1997-944739		19971006 (8)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1996-710689, filed
on 23 Sep 1996, now patented, Pat. No. US 5900245
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Azpuru, Carlos A.
LEGAL REPRESENTATIVE: Arnall Golden & Gregory, LLP
NUMBER OF CLAIMS: 36
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 4 Drawing Figure(s); 2 Drawing Page(s)
LINE COUNT: 1341
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Water-soluble macromers including at least one hydrolysable linkage
formed from carbonate or dioxanone groups, at least one water-soluble
polymeric block, and at least one polymerizable group, and methods of
preparation and use thereof are described. The macromers are preferably
polymerized using free radical initiators under the influence of long
wavelength ultraviolet light or visible light excitation. Biodegradation
occurs at the linkages within the extension oligomers and results in
fragments which are non-toxic and easily removed from the body. The
macromers can be used to encapsulate cells, deliver prophylactic,
therapeutic or diagnostic agents in a controlled manner, plug leaks in
tissue, prevent adhesion formation after surgical procedures,
temporarily protect or separate tissue surfaces, and adhere or seal
tissues together.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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NEWS 10 DEC 17 COMPUAB reloaded; updating to resume; current-awareness
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February 2005

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MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
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SINCE FILE

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ENTRY

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FULL ESTIMATED COST

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=> s macromer
L1 3594 MACROMER

=> s l1 and (polyalkylene glycol)
L2 114 L1 AND (POLYALKYLENE GLYCOL)

=> s l2 and (glycosaminoglycan# or cellulose# or dextran# or polyvinylpyrrolidone or
(hyaluronic acid) or (carboxymethyl cellulose) or (dextran sulfate))
<-----User Break----->

SEARCH ENDED BY USER

=> s l2 and (glycosaminoglycan# or cellulose# or dextran# or polyvinylpyrrolidone
or (hyaluronic acid) or (carboxymethyl cellulose) or (dextran sulfate))
L3 72 L2 AND (GLYCOSAMINOGLYCAN# OR CELLULOSE# OR DEXTRAN# OR POLYVIN
YLPYRROLIDONE OR (HYALURONIC ACID) OR (CARBOXYMETHYL CELLULOSE)
OR (DEXTRAN SULFATE))

=> s l3 and (biodegradable region#)
L4 5 L3 AND (BIODEGRADABLE REGION#)

=> d l4 1-4 ibib abs

L4 ANSWER 1 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2004:120057 USPATFULL

TITLE: Composition for the carrying and delivery of bone
growth inducing material and methods for producing and
applying the composition

INVENTOR(S): Lin, Steve T., Gainesville, FL, UNITED STATES
Avila, Luis Z., Arlington, MA, UNITED STATES
Coury, Arthur J., Boston, MA, UNITED STATES
Kramer, Hidegard M., Westport, CT, UNITED STATES
Roth, Laurence A., Windham, NH, UNITED STATES
Roberts, Rebecca, High Springs, FL, UNITED STATES
Sly, Michael Kurt, Gainesville, FL, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004091462	A1	20040513
APPLICATION INFO.:	US 2003-645744	A1	20030820 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-404895P	20020820 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	GREENBERG TRAURIG, LLP, 885 3RD AVENUE, NEW YORK, NY, 10022	
NUMBER OF CLAIMS:	111	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	6 Drawing Page(s)	
LINE COUNT:	1674	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Various embodiments of the present invention relate to compositions for delivering bone growth inducing material (e.g., to viable bone and/or other skeletal tissues to repair defects and the like). More particularly, various embodiments of the present invention relate to delivery mechanisms for an osteotherapeutic material (e.g., osteoinductive and/or osteoconductive materials), including (but not limited to) demineralized bone matrix ("DBM") and cortical-cancellous bone chips ("CCC"). Certain compositions according to various embodiments of the present invention may comprise mixtures of a physiologically acceptable biodegradable carrier, an osteoinductive material, and/or an osteoconductive material (e.g., DBM and CCC). The compositions may thus be applied (for example, to defective bone tissue and/or other viable tissue) to induce formation of new bone. Other embodiments of the present invention relate to the preparation of compositions and methods of using such compositions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 2 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2003:158898 USPATFULL
 TITLE: Adhesion barriers applicable by minimally invasive surgery and methods of use thereof
 INVENTOR(S): Sawhney, Amarpreet S., Lexington, MA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003108511	A1	20030612
APPLICATION INFO.:	US 2002-319308	A1	20021213 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2001-10715, filed on 9 Nov 2001, PENDING Continuation-in-part of Ser. No. US 1999-454900, filed on 3 Dec 1999, PENDING Continuation-in-part of Ser. No. US 2000-513491, filed on 21 Apr 2000, PENDING Division of Ser. No. US 1998-134198, filed on 14 Aug 1998, GRANTED, Pat. No. US 6179862		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-110849P	19981204 (60)
	US 2002-359236P	20020220 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	PATTERSON, THUENTE, SKAAR & CHRISTENSEN, P.A., 4800 IDS CENTER, 80 SOUTH 8TH STREET, MINNEAPOLIS, MN, 55402-2100	
NUMBER OF CLAIMS:	49	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	12 Drawing Page(s)	
LINE COUNT:	2941	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Biocompatible crosslinked polymers, and methods for their preparation

and use with minimally invasive surgery applicators are disclosed. The disclosure includes compositions and methods for in situ formation of hydrogels using minimally invasive surgical techniques.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 3 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2003:16986 USPATFULL
TITLE: Biocompatible crosslinked polymers
INVENTOR(S): Pathak, Chandrashekhar P., Austin, TX, UNITED STATES
Sawhney, Amarpreet S., Lexington, MA, UNITED STATES
Edelman, Peter G., Franklin, MA, UNITED STATES
PATENT ASSIGNEE(S): Incept LLC. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003012734	A1	20030116
APPLICATION INFO.:	US 2001-10715	A1	20011109 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1999-147897, filed on 30 Aug 1999, PENDING A 371 of International Ser. No. WO 1997-US16897, filed on 22 Sep 1997, UNKNOWN Continuation-in-part of Ser. No. US 1999-454900, filed on 3 Dec 1999, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-26526P	19960923 (60)
	US 1997-39904P	19970304 (60)
	US 1997-40417P	19970313 (60)
	US 1998-110849P	19981204 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	PATTERSON, THUENTE, SKAAR & CHRISTENSEN, P.A., 4800 IDS CENTER, 80 SOUTH 8TH STREET, MINNEAPOLIS, MN, 55402-2100	
NUMBER OF CLAIMS:	35	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	10 Drawing Page(s)	
LINE COUNT:	2234	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Biocompatible crosslinked polymers, and methods for their preparation and use, are disclosed in which the biocompatible crosslinked polymers are formed from water soluble precursors having electrophilic and nucleophilic functional groups capable of reacting and crosslinking in situ. Methods for making the resulting biocompatible crosslinked polymers biodegradable or not are provided, as are methods for controlling the rate of degradation. The crosslinking reactions may be carried out in situ on organs or tissues or outside the body. Applications for such biocompatible crosslinked polymers and their precursors include controlled delivery of drugs, prevention of post-operative adhesions, coating of medical devices such as vascular grafts, wound dressings and surgical sealants. Visualization agents may be included with the crosslinked polymers.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 4 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2001:10557 USPATFULL
TITLE: Polymerizable biodegradable polymers including carbonate or dioxanone linkages
INVENTOR(S): Sawhney, Amarpreet S., Bedford, MA, United States
Jarrett, Peter K., Sudbury, MA, United States
Coury, Arthur J., Boston, MA, United States
Rudowsky, Ronald S., Sudbury, MA, United States

PATENT ASSIGNEE(S): Powell, Michelle D., Tewksbury, MA, United States
 Avila, Luis Z., Arlington, MA, United States
 Enscoe, David J., Sudbury, MA, United States
 Goodrich, Stephen D., Woburn, MA, United States
 Nason, William C., Westford, MA, United States
 Yao, Fei, North Andover, MA, United States
 Weaver, Douglas, Bedford, MA, United States
 Barman, Shikha P., Bedford, MA, United States
 Focal, Inc, Lexington, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6177095	B1	20010123
APPLICATION INFO.:	US 2000-479520		20000107 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1997-944739, filed on 6 Oct 1997, now patented, Pat. No. US 6083524 Continuation-in-part of Ser. No. US 1996-710689, filed on 23 Sep 1996, now patented, Pat. No. US 5900245		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Azpuru, Carlos A.		
LEGAL REPRESENTATIVE:	Arnall, Golden & Gregory, LLP		
NUMBER OF CLAIMS:	23		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	3 Drawing Figure(s); 2 Drawing Page(s)		
LINE COUNT:	1296		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Water-soluble macromers including at least one hydrolysable linkage formed from carbonate or dioxanone groups, at least one water-soluble polymeric block, and at least one polymerizable group, and methods of preparation and use thereof are described. The macromers are preferably polymerized using free radical initiators under the influence of long wavelength ultraviolet light or visible light excitation. Biodegradation occurs at the linkages within the extension oligomers and results in fragments which are non-toxic and easily removed from the body. The macromers can be used to encapsulate cells, deliver prophylactic, therapeutic or diagnostic agents in a controlled manner, plug leaks in tissue, prevent adhesion formation after surgical procedures, temporarily protect or separate tissue surfaces, and adhere or seal tissues together.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

(FILE 'HOME' ENTERED AT 13:46:02 ON 09 JAN 2005)

FILE 'CAPLUS, USPATFULL, JAPIO, MEDLINE, BIOSIS, EMBASE, SCISEARCH' ENTERED AT 13:51:23 ON 09 JAN 2005

L1 3594 S MACROMER
 L2 114 S L1 AND (POLYALKYLENE GLYCOL)
 L3 72 S L2 AND (GLYCOSAMINOGLYCAN# OR CELLULOSE# OR DEXTRAN# OR POLY
 L4 5 S L3 AND (BIODEGRADABLE REGION#)

=> d l4 5 ibibs abs

'IBIBS' IS NOT A VALID FORMAT FOR FILE 'USPATFULL'

The following are valid formats:

The default display format is STD.

ABS ----- AB

ALL ----- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, PTERM, DCD,
 RLI, PRAI, DT, FS, REP, REN, EXNAM, LREP, CLMN, ECL,
 DRWN, AB, GOVI, PARN, SUMM, DRWD, DETD, CLM, INCL,
 INCLM, INCLS, NCL, NCLM, NCLS, IC, ICM, ICS,
 EXF, ARTU
 ALLG ----- ALL plus PAGE.DRAW
 BIB ----- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, PTERM, DCD, RLI,
 PRAI, DT, FS, EXNAM, LREP, CLMN, ECL, DRWN, LN.CNT
 BIB.EX ----- BIB for original and latest publication
 BIBG ----- BIB plus PAGE.DRAW
 BROWSE ----- See "HELP BROWSE" or "HELP DISPLAY BROWSE". BROWSE must
 entered on the same line as DISPLAY, e.g., D BROWSE.
 CAS ----- OS, CC, SX, ST, IT
 CBIB ----- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, PRAI, DT, FS
 DALL ----- ALL, delimited for post-processing
 FP ----- PI, TI, IN, INA, PA, PAA, PAT, PTERM, DCD, AI, RLI,
 PRAI, IC, ICM, ICS, INCL, INCLM, INCLS, NCL,
 NCLM, NCLS, EXF, REP, REN, ARTU, EXNAM, LREP,
 CLMN, DRWN, AB
 FP.EX ----- FP for original and latest publication
 FPALL ----- PI, TI, IN, INA, PA, PAA, PAT, PTERM, DCD, AI,
 RLI, PRAI, IC, ICM, ICS, INCL, INCLM, INCLS, NCL, NCLM,
 NCLS, EXF, REP, REN, ARTU, EXNAM, LREP, CLMN, DRWN, AB,
 PARN, SUMM, DRWD, DETD, CLM
 FPBIB ----- PI, TI, IN, INA, PA, PAA, PAT, PTERM, DCD, AI,
 RLI, PRAI, REP, REN, EXNAM, LREP, CLM, CLMN, DRWN
 FHITSTR ----- HIT RN, its text modification, its CA index name, and
 its structure diagram
 FPG ----- FP plus PAGE.DRAW
 GI ----- PN and page image numbers
 HIT ----- All fields containing hit terms
 HITRN ----- HIT RN and its text modification
 HITSTR ----- HIT RN, its text modification, its CA index name, and
 its structure diagram
 IABS ----- ABS, indented with text labels
 IALL ----- ALL, indented with text labels
 IALLG ----- IALL plus PAGE.DRAW
 IBIB ----- BIB, indented with text labels
 IBIB.EX ----- IBIB for original and latest publication
 IBIBG ----- IBIB plus PAGE.DRAW
 IMAX ----- MAX, indented with text labels
 IMAX.EX ----- IMAX for original and latest publication
 IND ----- INCL, INCLM, INCLS, NCL, NCLM, NCLS, IC, ICM, ICS,
 EXF, ARTU, OS, CC, SX, ST, IT
 ISTD ----- STD, indented with text labels
 KWIC ----- All hit terms plus 20 words on either side
 MAX ----- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, PTERM, DCD,
 RLI, PRAI, DT, FS, REP, REN, EXNAM, LREP, CLMN, ECL,
 DRWN, AB, GOVI, PARN, SUMM, DRWD, DETD, CLM, INCL,
 INCLM, INCLS, NCL, NCLM, NCLS, IC, ICM, ICS,
 EXF, ARTU OS, CC, SX, ST, IT
 MAX.EX ----- MAX for original and latest publication
 OCC ----- List of display fields containing hit terms
 SBIB ----- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, RLI, PRAI,
 DT, FS, LN.CNT
 SCAN ----- AN, TI, NCL, NCLM, NCLS, IC, ICM, ICS (random display
 without answer number. SCAN must be entered on the
 same line as DISPLAY, e.g., D SCAN)
 STD ----- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, RLI, PRAI,
 DT, FS, LN.CNT, INCL, INCLM, INCLS, NCL, NCLM, NCLS,
 IC, ICM, ICS, EXF (STD is the default)
 STD.EX ----- STD for original and latest publication
 TRIAL ----- AN, TI, INCL, INCLM, INCLS, NCL, NCLM, NCLS, IC,
 ICM, ICS

ENTER DISPLAY FORMAT (STD):ibib

L4 ANSWER 5 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2000:83865 USPATFULL
TITLE: Polymerizable biodegradable polymers including
carbonate or dioxanone linkages
INVENTOR(S): Sawhney, Amarpreet S., Bedford, MA, United States
Enscoe, David J., Sudbury, MA, United States
Goodrich, Stephen D., Woburn, MA, United States
Nason, William C., Westford, MA, United States
Yao, Fei, North Andover, MA, United States
Weaver, Douglas, Bedford, MA, United States
Jarrett, Peter K., Sudbury, MA, United States
Coury, Arthur J., Boston, MA, United States
Rudowsky, Ronald S., Sudbury, MA, United States
Powell, Michelle D., Tewksbury, MA, United States
Avila, Luis Z., Arlington, MA, United States
Barman, Shikha P., Bedford, MA, United States
PATENT ASSIGNEE(S): Focal, Inc., Lexington, MA, United States (U.S.
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6083524		20000704
APPLICATION INFO.:	US 1997-944739		19971006 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1996-710689, filed on 23 Sep 1996, now patented, Pat. No. US 5900245		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Azpuru, Carlos A.		
LEGAL REPRESENTATIVE:	Arnall Golden & Gregory, LLP		
NUMBER OF CLAIMS:	36		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	4 Drawing Figure(s); 2 Drawing Page(s)		
LINE COUNT:	1341		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 14 5 ibib abs

L4 ANSWER 5 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2000:83865 USPATFULL
TITLE: Polymerizable biodegradable polymers including
carbonate or dioxanone linkages
INVENTOR(S): Sawhney, Amarpreet S., Bedford, MA, United States
Enscoe, David J., Sudbury, MA, United States
Goodrich, Stephen D., Woburn, MA, United States
Nason, William C., Westford, MA, United States
Yao, Fei, North Andover, MA, United States
Weaver, Douglas, Bedford, MA, United States
Jarrett, Peter K., Sudbury, MA, United States
Coury, Arthur J., Boston, MA, United States
Rudowsky, Ronald S., Sudbury, MA, United States
Powell, Michelle D., Tewksbury, MA, United States
Avila, Luis Z., Arlington, MA, United States
Barman, Shikha P., Bedford, MA, United States
PATENT ASSIGNEE(S): Focal, Inc., Lexington, MA, United States (U.S.
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6083524		20000704
APPLICATION INFO.:	US 1997-944739		19971006 (8)

55402-2100
NUMBER OF CLAIMS: 49
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 12 Drawing Page(s)
LINE COUNT: 2941

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Biocompatible crosslinked polymers, and methods for their preparation and use with minimally invasive surgery applicators are disclosed. The disclosure includes compositions and methods for in situ formation of hydrogels using minimally invasive surgical techniques.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 3 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2003:16986 USPATFULL
TITLE: Biocompatible crosslinked polymers
INVENTOR(S): Pathak, Chandrashekhar P., Austin, TX, UNITED STATES
Sawhney, Amarpreet S., Lexington, MA, UNITED STATES
Edelman, Peter G., Franklin, MA, UNITED STATES
PATENT ASSIGNEE(S): Incept LLC. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003012734	A1	20030116
APPLICATION INFO.:	US 2001-10715	A1	20011109 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1999-147897, filed on 30 Aug 1999, PENDING A 371 of International Ser. No. WO 1997-US16897, filed on 22 Sep 1997, UNKNOWN		
	Continuation-in-part of Ser. No. US 1999-454900, filed on 3 Dec 1999, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-26526P	19960923 (60)
	US 1997-39904P	19970304 (60)
	US 1997-40417P	19970313 (60)
	US 1998-110849P	19981204 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	PATTERSON, THUENTE, SKAAR & CHRISTENSEN, P.A., 4800 IDS CENTER, 80 SOUTH 8TH STREET, MINNEAPOLIS, MN, 55402-2100	

NUMBER OF CLAIMS: 35
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 10 Drawing Page(s)
LINE COUNT: 2234

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Biocompatible crosslinked polymers, and methods for their preparation and use, are disclosed in which the biocompatible crosslinked polymers are formed from water soluble precursors having electrophilic and nucleophilic functional groups capable of reacting and crosslinking in situ. Methods for making the resulting biocompatible crosslinked polymers biodegradable or not are provided, as are methods for controlling the rate of degradation. The crosslinking reactions may be carried out in situ on organs or tissues or outside the body. Applications for such biocompatible crosslinked polymers and their precursors include controlled delivery of drugs, prevention of post-operative adhesions, coating of medical devices such as vascular grafts, wound dressings and surgical sealants. Visualization agents may be included with the crosslinked polymers.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 4 OF 5 USPATFULL on STN

Roberts, Rebecca, High Springs, FL, UNITED STATES
Sly, Michael Kurt, Gainesville, FL, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004091462	A1	20040513
APPLICATION INFO.:	US 2003-645744	A1	20030820 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-404895P	20020820 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	GREENBERG TRAURIG, LLP, 885 3RD AVENUE, NEW YORK, NY, 10022	
NUMBER OF CLAIMS:	111	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	6 Drawing Page(s)	
LINE COUNT:	1674	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Various embodiments of the present invention relate to compositions for delivering bone growth inducing material (e.g., to viable bone and/or other skeletal tissues to repair defects and the like). More particularly, various embodiments of the present invention relate to delivery mechanisms for an osteotherapeutic material (e.g., osteoinductive and/or osteoconductive materials), including (but not limited to) demineralized bone matrix ("DBM") and cortical-cancellous bone chips ("CCC"). Certain compositions according to various embodiments of the present invention may comprise mixtures of a physiologically acceptable biodegradable carrier, an osteoinductive material, and/or an osteoconductive material (e.g., DBM and CCC). The compositions may thus be applied (for example, to defective bone tissue and/or other viable tissue) to induce formation of new bone. Other embodiments of the present invention relate to the preparation of compositions and methods of using such compositions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 2 OF 5 USPATFULL on STN
ACCESSION NUMBER: 2003:158898 USPATFULL
TITLE: Adhesion barriers applicable by minimally invasive surgery and methods of use thereof
INVENTOR(S): Sawhney, Amarpreet S., Lexington, MA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003108511	A1	20030612
APPLICATION INFO.:	US 2002-319308	A1	20021213 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2001-10715, filed on 9 Nov 2001, PENDING Continuation-in-part of Ser. No. US 1999-454900, filed on 3 Dec 1999, PENDING Continuation-in-part of Ser. No. US 2000-513491, filed on 21 Apr 2000, PENDING Division of Ser. No. US 1998-134198, filed on 14 Aug 1998, GRANTED, Pat. No. US 6179862		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-110849P	19981204 (60)
	US 2002-359236P	20020220 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	PATTERSON, THUENTE, SKAAR & CHRISTENSEN, P.A., 4800 IDS CENTER, 80 SOUTH 8TH STREET, MINNEAPOLIS, MN,	

ACCESSION NUMBER: 2001:10557 USPATFULL
 TITLE: Polymerizable biodegradable polymers including carbonate or dioxanone linkages
 INVENTOR(S): Sawhney, Amarpreet S., Bedford, MA, United States
 Jarrett, Peter K., Sudbury, MA, United States
 Coury, Arthur J., Boston, MA, United States
 Rudowsky, Ronald S., Sudbury, MA, United States
 Powell, Michelle D., Tewksbury, MA, United States
 Avila, Luis Z., Arlington, MA, United States
 Ensore, David J., Sudbury, MA, United States
 Goodrich, Stephen D., Woburn, MA, United States
 Nason, William C., Westford, MA, United States
 Yao, Fei, North Andover, MA, United States
 Weaver, Douglas, Bedford, MA, United States
 Barman, Shikha P., Bedford, MA, United States
 PATENT ASSIGNEE(S): Focal, Inc, Lexington, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6177095	B1	20010123
APPLICATION INFO.:	US 2000-479520		20000107 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1997-944739, filed on 6 Oct 1997, now patented, Pat. No. US 6083524 Continuation-in-part of Ser. No. US 1996-710689, filed on 23 Sep 1996, now patented, Pat. No. US 5900245		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Azpuru, Carlos A.		
LEGAL REPRESENTATIVE:	Arnall, Golden & Gregory, LLP		
NUMBER OF CLAIMS:	23		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	3 Drawing Figure(s); 2 Drawing Page(s)		
LINE COUNT:	1296		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Water-soluble macromers including at least one hydrolysable linkage formed from carbonate or dioxanone groups, at least one water-soluble polymeric block, and at least one polymerizable group, and methods of preparation and use thereof are described. The macromers are preferably polymerized using free radical initiators under the influence of long wavelength ultraviolet light or visible light excitation. Biodegradation occurs at the linkages within the extension oligomers and results in fragments which are non-toxic and easily removed from the body. The macromers can be used to encapsulate cells, deliver prophylactic, therapeutic or diagnostic agents in a controlled manner, plug leaks in tissue, prevent adhesion formation after surgical procedures, temporarily protect or separate tissue surfaces, and adhere or seal tissues together.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 5 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2000:83865 USPATFULL
 TITLE: Polymerizable biodegradable polymers including carbonate or dioxanone linkages
 INVENTOR(S): Sawhney, Amarpreet S., Bedford, MA, United States
 Ensore, David J., Sudbury, MA, United States
 Goodrich, Stephen D., Woburn, MA, United States
 Nason, William C., Westford, MA, United States
 Yao, Fei, North Andover, MA, United States
 Weaver, Douglas, Bedford, MA, United States
 Jarrett, Peter K., Sudbury, MA, United States
 Coury, Arthur J., Boston, MA, United States
 Rudowsky, Ronald S., Sudbury, MA, United States

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1996-710689, filed on 23 Sep 1996, now patented, Pat. No. US 5900245

DOCUMENT TYPE: Utility

FILE SEGMENT: Granted

PRIMARY EXAMINER: Azpuru, Carlos A.

LEGAL REPRESENTATIVE: Arnall Golden & Gregory, LLP

NUMBER OF CLAIMS: 36

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 4 Drawing Figure(s); 2 Drawing Page(s)

LINE COUNT: 1341

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Water-soluble macromers including at least one hydrolysable linkage formed from carbonate or dioxanone groups, at least one water-soluble polymeric block, and at least one polymerizable group, and methods of preparation and use thereof are described. The macromers are preferably polymerized using free radical initiators under the influence of long wavelength-ultraviolet light or visible light excitation. Biodegradation occurs at the linkages within the extension oligomers and results in fragments which are non-toxic and easily removed from the body. The macromers can be used to encapsulate cells, deliver prophylactic, therapeutic or diagnostic agents in a controlled manner, plug leaks in tissue, prevent adhesion formation after surgical procedures, temporarily protect or separate tissue surfaces, and adhere or seal tissues together.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

(FILE HOM ENTERED AT 13:46:02 ON 09 JAN 2005)

FILE 'CAPL' USPATFULL, JAPIO, MEDLINE, BIOSIS, EMBASE, SCISEARCH'
ENTERED AT 13:51:23 ON 09 JAN 2005

L1 3594 S MACROMER

L2 114 S L1 AND (POLYALKYLENE GLYCOL)

L3 72 S L2 AND (GLYCOSAMINOGLYCAN# OR CELLULOSE# OR DEXTRAN# OR POLY

L4 5 S L3 AND (BIODEGRADABLE REGION#)

=> s l3 and adhesive

L5 27 L3 AND ADHESIVE

=> s l5 and (reactive groups) and (ethylenic or acrylate or succinimide or isocyanate)

L6 5 L5 AND (REACTIVE GROUPS) AND (ETHYLENIC OR ACRYLATE OR SUCCINIMIDE OR ISOCYANATE)

=> s l6 1-5 ibib abs

MISSING OPERATOR L6 1-5

The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> d l6 1-5 ibib abs

L6 ANSWER 1 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2004:120057 USPATFULL

TITLE: Composition for the carrying and delivery of bone growth inducing material and methods for producing and applying the composition

INVENTOR(S): Lin, Steve T., Gainesville, FL, UNITED STATES
Avila, Luis Z., Arlington, MA, UNITED STATES
Coury, Arthur J., Boston, MA, UNITED STATES
Kramer, Hidegard M., Westport, CT, UNITED STATES
Roth, Laurence A., Windham, NH, UNITED STATES

PATENT ASSIGNEE(S): Powell, Michelle D., Tewksbury, MA, United States
Avila, Luis Z., Arlington, MA, United States
Barman, Shikha P., Bedford, MA, United States
Focal, Inc., Lexington, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6083524		20000704
APPLICATION INFO.:	US 1997-944739		19971006 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1996-710689, filed on 23 Sep 1996, now patented, Pat. No. US 5900245		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Azpuru, Carlos A.		
LEGAL REPRESENTATIVE:	Arnall Golden & Gregory, LLP		
NUMBER OF CLAIMS:	36		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	4 Drawing Figure(s); 2 Drawing Page(s)		
LINE COUNT:	1341		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Water-soluble macromers including at least one hydrolysable linkage formed from carbonate or dioxanone groups, at least one water-soluble polymeric block, and at least one polymerizable group, and methods of preparation and use thereof are described. The macromers are preferably polymerized using free radical initiators under the influence of long wavelength ultraviolet light or visible light excitation. Biodegradation occurs at the linkages within the extension oligomers and results in fragments which are non-toxic and easily removed from the body. The macromers can be used to encapsulate cells, deliver prophylactic, therapeutic or diagnostic agents in a controlled manner, plug leaks in tissue, prevent adhesion formation after surgical procedures, temporarily protect or separate tissue surfaces, and adhere or seal tissues together.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.